

Job Name \_\_\_\_\_  
 Job Location \_\_\_\_\_  
 Engineer \_\_\_\_\_  
 Approval \_\_\_\_\_

Contractor \_\_\_\_\_  
 Approval \_\_\_\_\_  
 Contractor's P.O. No. \_\_\_\_\_  
 Representative \_\_\_\_\_

## OneFlow® Anti-Scale<sup>2</sup> System

Models OF210-1, OF220-2 and OF240-4<sup>1</sup>

### Connection Sizes: 1/2" and 3/4" (15 and 20mm)

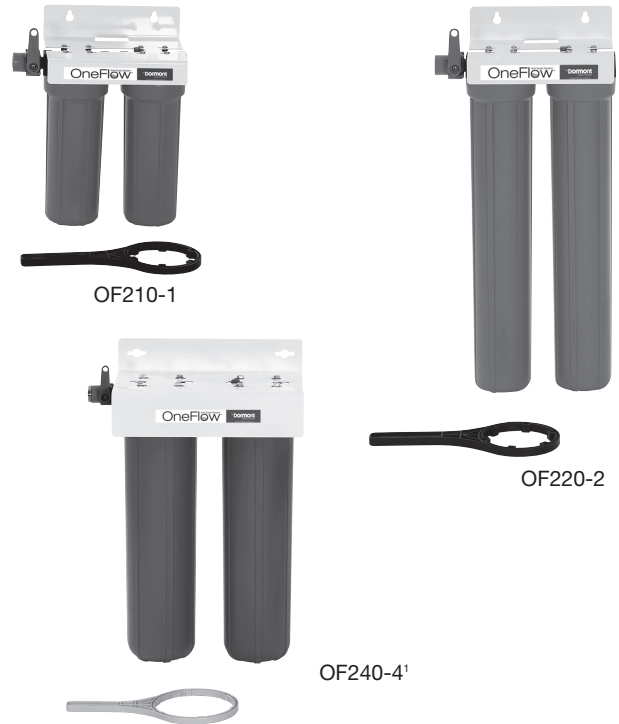
The OneFlow Anti-Scale<sup>2</sup> System with two filter housings provides protection from scale formation and reduces chlorine and other off tastes to improve overall water quality in Food Service applications. The OneFlow system is a dual cartridge-based system that may be installed on a cold water line prior to a water-using device (coffee maker, espresso machine, post-mix system or other appliance) that requires protection from the ill effects of hard water. OneFlow works exceptionally well where the water is being heated or brought to steam.

OneFlow prevents scale<sup>2</sup> by transforming dissolved hardness minerals into harmless, inactive microscopic crystal particles. These crystals stay suspended in the water and are passed to drain, thereby having a greatly reduced ability to react negatively like dissolved hardness does. The system requires very little maintenance, no backwashing, no salt, and no electricity. Typical hardness problems, especially build-up of scale<sup>2</sup> in heating elements, boilers, and steamers, are no longer a concern.

OneFlow is not a water softener. It does not add chemicals or remove any minerals. It is a scale prevention<sup>2</sup> device with proven third party laboratory test data and years of successful Food Service and Commercial applications. OneFlow is the intelligent scale solution<sup>2</sup> with chlorine reduction as a great alternative to water softening (ion exchange) or scale sequestering devices.

### Features

- Chemical free scale prevention<sup>2</sup> and protection - converts hardness minerals to harmless, inactive microscopic crystals making OneFlow effective alternative technology to a water softener for the prevention of scale<sup>2</sup> due to water hardness and for the reduction of chlorine for better taste and odor
- Virtually maintenance free - No salt bags or other chemicals to constantly add or maintain
- No control valve, no electricity and no wastewater
- Uses environmentally friendly "green" technology
- Improves efficiency of all water appliances whether heating the water or not
- Simple sizing & installation – all you need to know is pipe size and flow rate
- Perfect system for restaurants, cafeterias and coffee shops where multiple or single equipment protection is desired for longer equipment life and reduced energy consumption
- Inlet ball valve for easy isolation shutoff and filter changes
- OneFlow does not remove the essential minerals in water that are linked to good health
- OneFlow cartridge-based systems are easily maintained; change the carbon cartridge every 6 months and the OneFlow media cartridge once per year.



Part #	Model	Maximum Flow Rate	Connection Sizes FNPT
DOR-OF210 - 1	OF210 - 1	1.5 gpm (5.7 lpm)	1/2" (15mm)
DOR-OF220 - 2	OF220 - 2	3.0 gpm (11.3 lpm)	1/2" (15mm)
DOR-OF240 - 4 <sup>1</sup>	OF240 - 4 <sup>1</sup>	4.0 gpm (15 lpm)	3/4" (20mm)

### Replacement Cartridge

Part #	Model	Replacement Frequency
DOR-OF110RM	OF110RM	Cartridge should be replaced every 12 months
DOR-OF120RM	OF120RM	Cartridge should be replaced every 12 months
DOR-OF140RM	OF140RM	Cartridge should be replaced every 12 months
DOR-OF110RC	OF110RC	Cartridge should be replaced every 6 months
DOR-OF120RC	OF120RC	Cartridge should be replaced every 6 months
DOR-OF140RC <sup>1</sup>	OF140RC <sup>1</sup>	Cartridge should be replaced every 6 months

It is recommended that cartridges be changed yearly, or when capacity is reached or flow rate becomes inadequate.



## Specifications

A OneFlow scale prevention<sup>2</sup> system with added carbon filtration shall be installed on the cold water service line to condition and filter the tap water just prior to the service line feeding the equipment it is designed to protect. The system will be sized for maximum or peak flow rate based on the specification of said equipment. A OneFlow system with added carbon filtration may also be installed to protect multiple pieces of equipment from the ill-effects of hard water scale and taste/odor concerns provided the aggregate peak flow rate for each piece of equipment it is protecting has been considered. The system shall be plumbed with a bypass valve to allow isolation of filter housings to allow the bypass of untreated water in the event that service or cartridge replacement is necessary. The installation area should be suitable in size for the housing to be serviced without encumbrance and the system should be installed per the Installation, Operation & Maintenance manual as provided with each system.

The OneFlow system must not require additional waste water to backwash, flush, or regenerate once put into service. The system shall not require any chemical additives and shall not require electricity for operation.

## Performance

Service Flow Rate	Detailed on front	
Sediment Reduction	Class 1 for OF210-1 and 220-2 only	
Scale Inhibitor <sup>2</sup>	OneFlow <sup>®</sup>	

## Chlorine, Taste, and Odor Reduction Capacity

Model OF210-1	15,000 gals	(56,700 liter)
Model OF220-2	30,000 gals	(113,400 liter)
Model OF240-4 <sup>1</sup>	60,000 gals	(226,800 liter)



OneFlow Models OF210-1 and OF220-2 are tested and certified by NSF International against NSF/ANSI Standard 42 for the reduction of: Aesthetic Effects, Chlorine Reduction, Taste and Odor Reduction, Nominal Particulate Reduction, Class 1

## Water Chemistry & Limitations

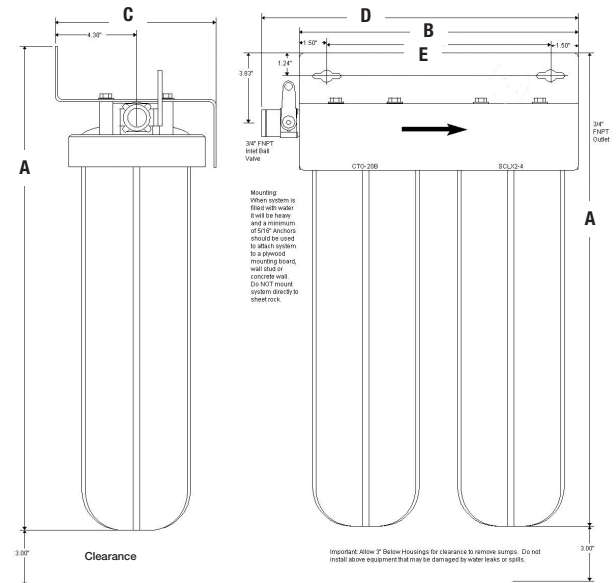
pH	6.5 to 8.5
Hardness (maximum)	75 grains (1300 ppm CaCO <sub>3</sub> )
Temperature	41°F to 100°F (5 to 38°C)
Chlorine	< 3ppm
Iron (maximum)	0.3 mg/l
Manganese (maximum)	0.05 mg/l
Copper (maximum)	1.3 mg/l
Oil & H <sub>2</sub> S	none allowed
Polyphosphate	none allowed
Silica (maximum)	10 ppm

## Standards

DVGW – German Technical and Scientific Association for Gas & Water

OneFlow meets standard W-512 for testing Physical Water Treatment devices for Scale Prevention and achieved an efficiency rating of 99.6% for scale prevention.

OneFlow media has been tested and certified for material safety to NSF/ANSI Standard 42.



## Dimensions — Weights

Scale System	Dimensions										Weight		UPC Code
	A		B		C		D		E		lbs.	kgs	
Part Number	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm			
DOR-OF210-1	14 1/2	37	9 1/4	24	5 1/8	13	11 1/4	29	5 3/4	15	9	4.1	662447105771
DOR-OF220-2	24 1/2	62	9 1/4	24	5 1/8	13	11 1/4	29	5 3/4	15	14	6.4	662447105788
DOR-OF240-4 <sup>1</sup>	26	66	15 1/4	39	8 5/8	22	17 5/16	44	12 1/4	31	31	14.1	662447105795

The overall height and the height of the fitting varies due to material variations and assembly tolerances. Please allow additional clearances above the tank for making connections.

1-OF240-4 performance is tested & verified by independent laboratory testing\*.

2-OneFlow Scale Inhibiting technology tested & verified by independent laboratory testing\*.

\* Contact Dormont Manufacturing customer service at 800-DORMONT for details on independent test data

Replacement Cartridges	
Part Number	UPC Code
DOR-OF110RM <sup>3</sup>	662447105801
DOR-OF120RM <sup>3</sup>	662447105818
DOR-OF140RM <sup>3</sup>	662447105825
DOR-OF110RC	662447105832
DOR-OF120RC	662447105849
DOR-OF140RC	662447105856

3-



Component

DOR-OF110RM, DOR-OF120RM and DOR-OF140RM are certified by NSF International against NSF/ANSI Standard 42 for material requirements only



1-800-DORMONT • www.dormont